## LOR GENERATOR IN VTOP

## PROJECT REPORT

Submitted in fulfilment for the J-Component of ITE1008 – Open Source Programming

## **CAL COURSE**

in

**B.Tech.** (Information Technology)

by

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#### 1. ABSTRACT:

The main purpose of this project is to create a website similar to VTOP where student can request for a letter of recommendation letter which is needed for higher studies and from the other side, faculty can accept his/her request and can send it to the student via email. Due to the pandemic it is not easy to go around the college and wait for and get it. So, in this project we aim to create an option in the website portal where the student who needs an LOR can apply for it from their student login portal, and also they can choose the faculty according to their convince from whom they need the LOR. This being an open-source project, we will be using Html, CSS for frontend and php and MySQL for backend. We have also included features like updating password for both faculty and student, created a record of the faculty profile and student profile and update it now and then for the updated marks and timetable which is useful for both the student and faculty. Here we used mpdf library which is going to generate pdf files from the html templates & the composed tool is used to declare the library and allowed us to install it.

## 2. INTRODUCTION

The project focuses mainly on helping the students who are going to continue their students in abroad, and in process of applying to the colleges in other countries the most helpful thing is letter of recommendation.

Lor is the document provided by the lecturer of the student who taught the one who is going to abroad. This letter is going to play the key role in getting an admission in best college because this letter is all about the student details describing how the student was and what was his academic performance, and it can even include the discipline of the student and his achievements which all were observed by the lecturer.

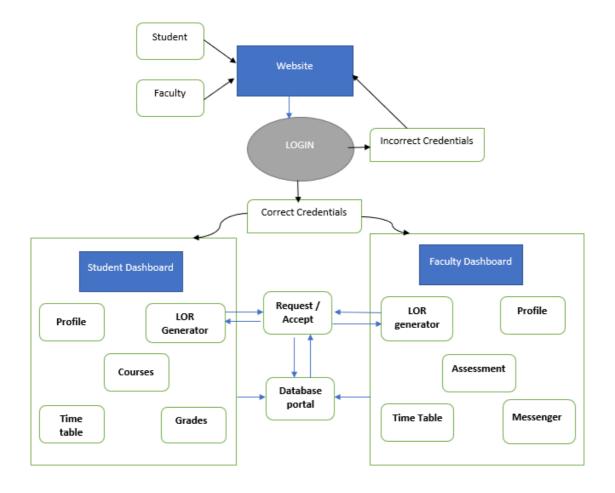
Usually, this letter was collected in the college by the student from the lecturer by explaining his study plan. But due to this pandemic, it is not easy to go all the way and meet the lecturer.

So, we aimed to place this option in the dashboard of both student and faculty profile. So that, one who wants an Lor from a particular lecturer they could apply from their login by selecting the lecturer. On the other side, it is same with the lecturer too, they can access all their marks and by seeing their academic performance, they can issue the Lor needed by the student. This would help students to request for an Lor from their login portal itself.

#### 3. PROBLEM STATEMENT

The main objective of this project is to generate a LETTER OF RECOMEDATION (LOR) for students. Regarding the universities, students rely on online portal to look over the timetable, grades, study materials, details of the professors, to update profile, password ad also to upload their projects. Not only students but also the faculties depend on the online portal to check the student details, upload marks ad materials for students also to send the class messages regarding the important issues. As we know LOR is important for the students who are applying for the jobs, willing to study abroad as well as I other universities. So as a whole in our project we would be managing to generate LOR for the students. The students can request the faculty from the student login for the LOR. The faculty gets the request of LOR ad can approve for the student requested. The faculty will be able to know the student details like CGPA, Projects doe by the students and based on these they can give remarks and approve the LOR. So, this can improve the awareness of both the faculties and the students and hence could be regulated properly. In our PROTAL we would be able to update the records and other LOR related queries and keep the account updated and we can also download or view some records. Our PROTAL will have daily updates and will notify facilities about every activity to both students and faculties so that they can have a regular check on them. activities.

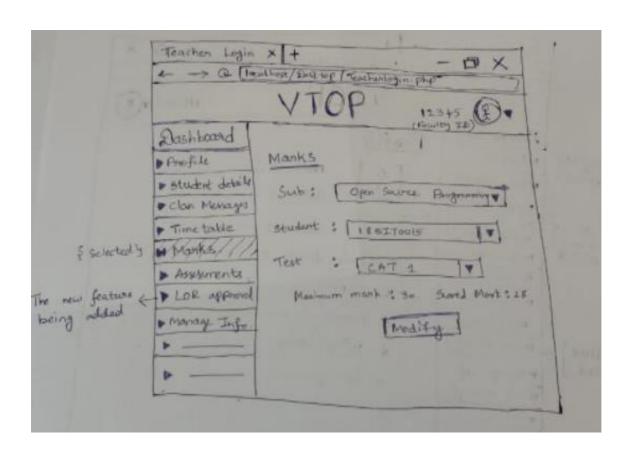
#### 4. PROCESS FLOW DIAGRAM

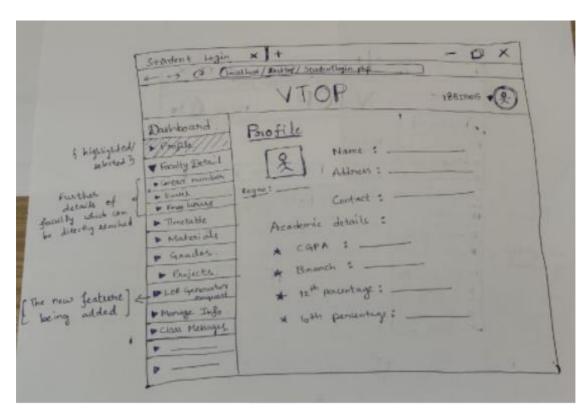


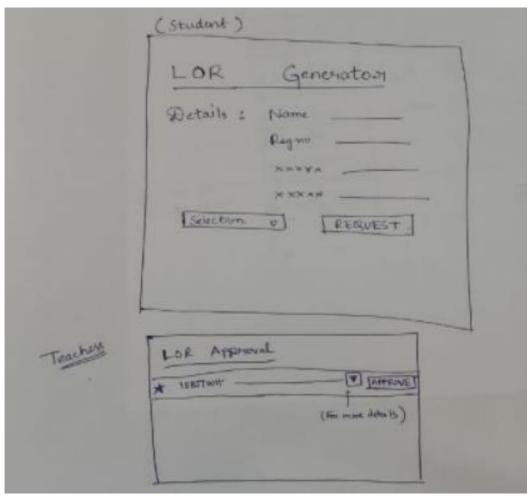
## 5. MODULES

- (i) Profile
- (ii) Faculty Detail
- (iii) Timetable
- (iv) Materials
- (v) Grades
- (vi) Projects
- (vii) LOR Generator Request
- (viii) Student Update Password
- (ix) Messenger
- (x) Faculty Timetable
- (xi) Courses
- (xii) Marks
- (xiii) Assessments
- (xiv) Student Details
- (xv) LOR Generator Approval
- (xvi) Faculty Update Password

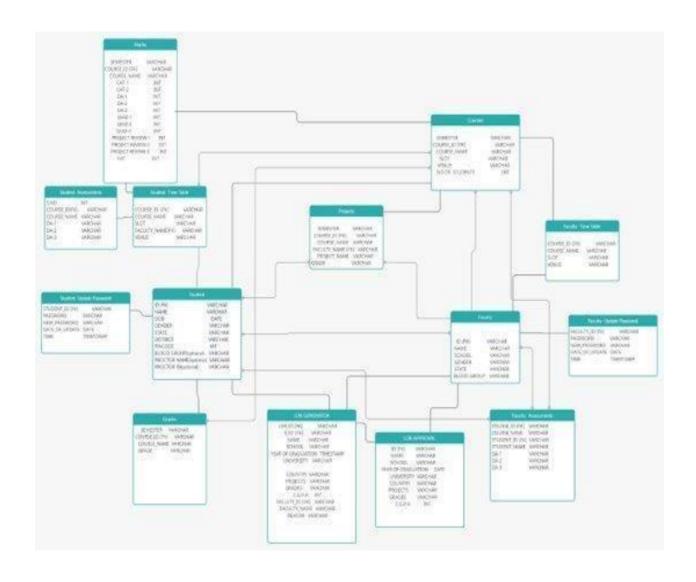
## PROTOTYPE DESIGN





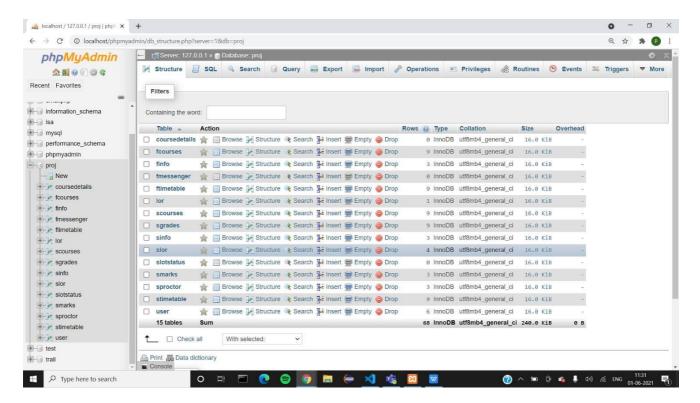


# 6. RELATIONAL SCHEMA DIAGRAM

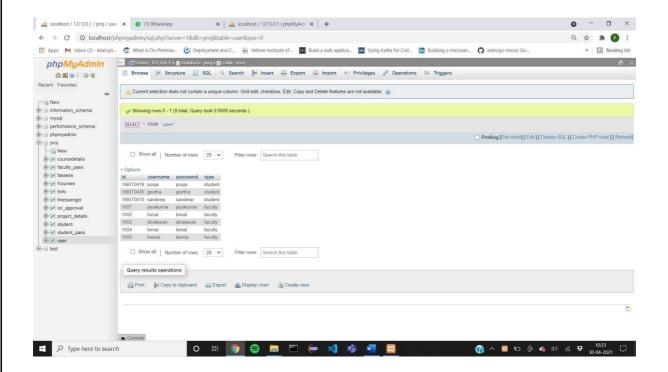


#### 7. DATABASE DESIGN

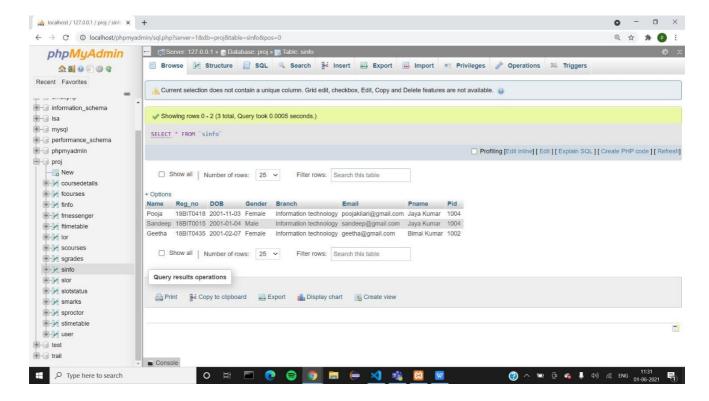
This snapshot shows all the tables present in the database.



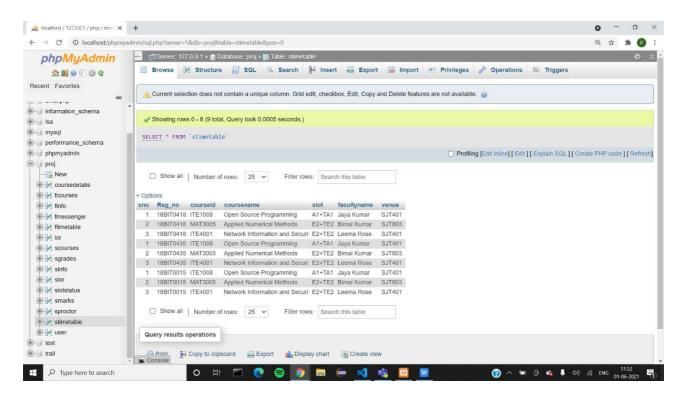
This table shows the details of the users that includes both students and faculties



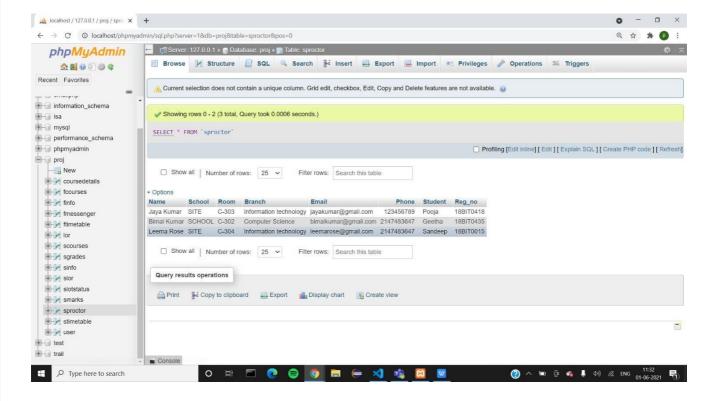
#### This table shows the details of the **student's info**



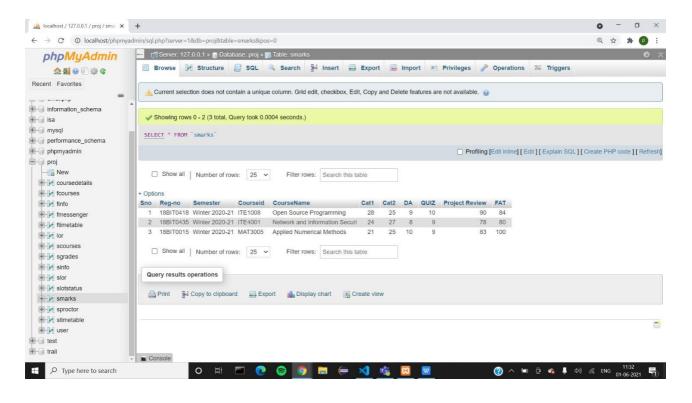
## This table shows the details of the **student's timetable**



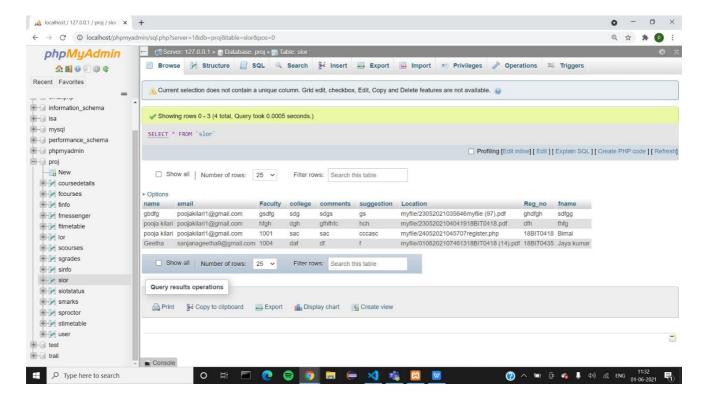
#### This table shows the details of the **Proctor's** of the **student's**



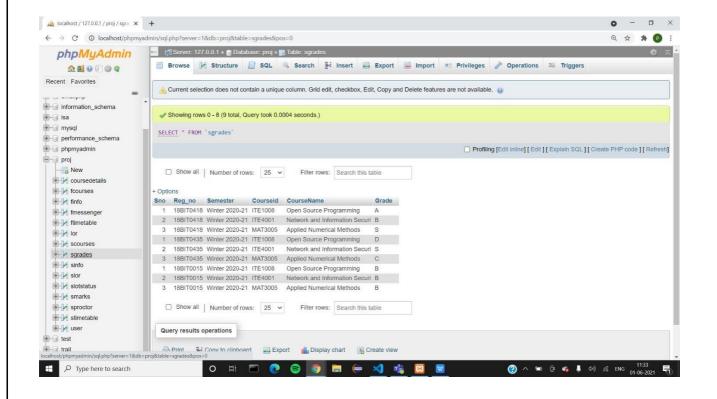
## This table shows the details of the **student's marks**



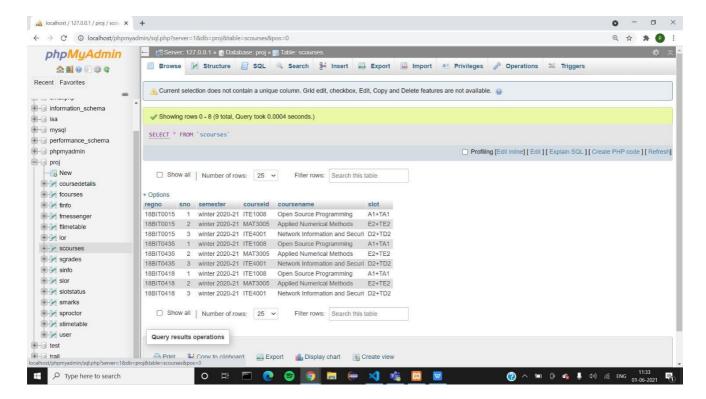
This table shows the details of the **students** who applied the **lor and their data** 



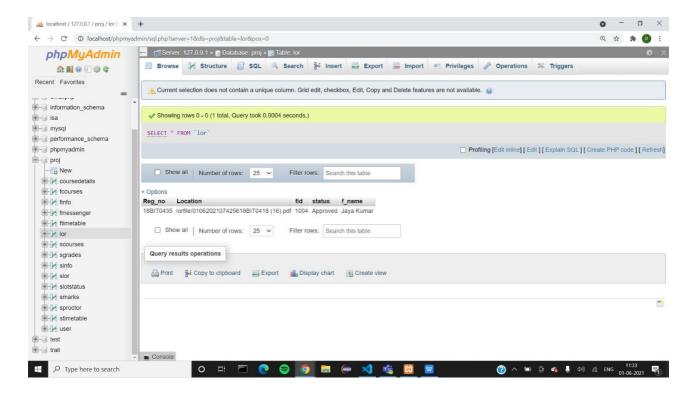
This table shows the details of the student's grades in the semester with courses



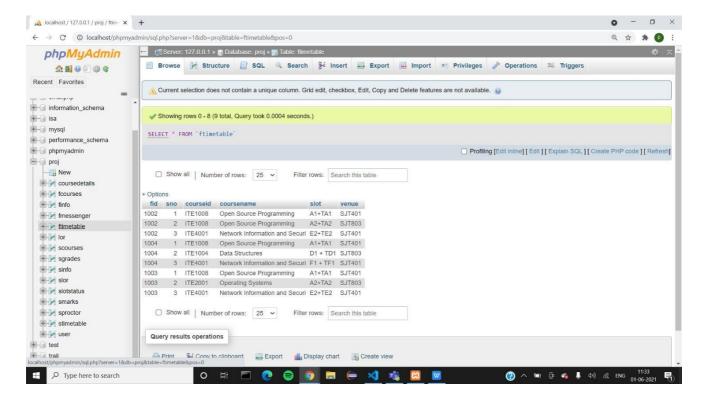
This table shows the details of the courses taken by the student in a semester



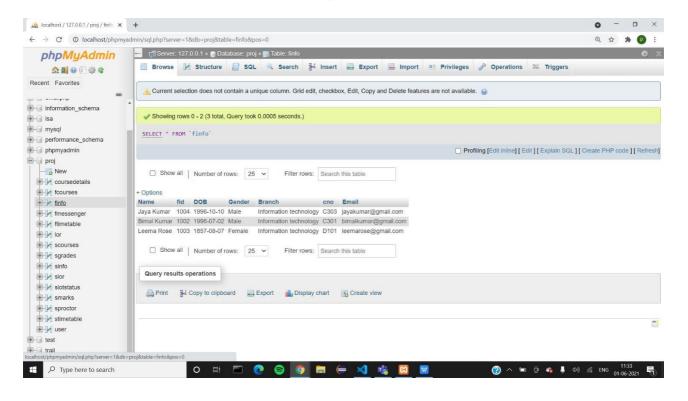
## This table shows the details of the **LOR**



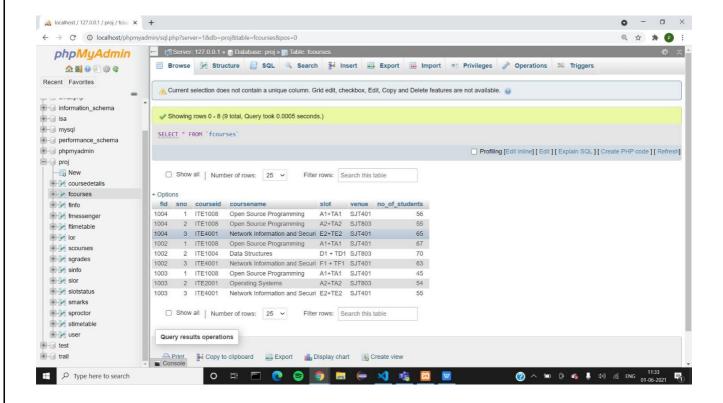
## This table shows the details of the faculty's timetable



## This table shows the details of the faculty's info



This table shows the details of the faculty's courses



## 8. Future Scope and Conclusion:

We have created a perfectly working lor feature to a vtop like prototype. This can be implemented in real vtop if we can take this idea tto the higher authority. Along with this feature, we also added a lot of other features to our website. The Lor feature includes the option where the faculty can send the mail as well in a single click and there are two templates for Lor and that can be downloaded by the faculty and then they have to upload the document to database and on the other side student can see the status of the Lor and can download it. A few more features can be added and the website can be hosted on internet such that we can make it open source and help the community to know how this works such that everyone can learn and use these features in their own works.

#### 9. References:

https://mpdf.github.io/

https://www.tutorialspoint.com/how-to-use-dir-in-php

http://shodor.org/~kevink/phpTutorial/davida\_PassVarByUrl.php

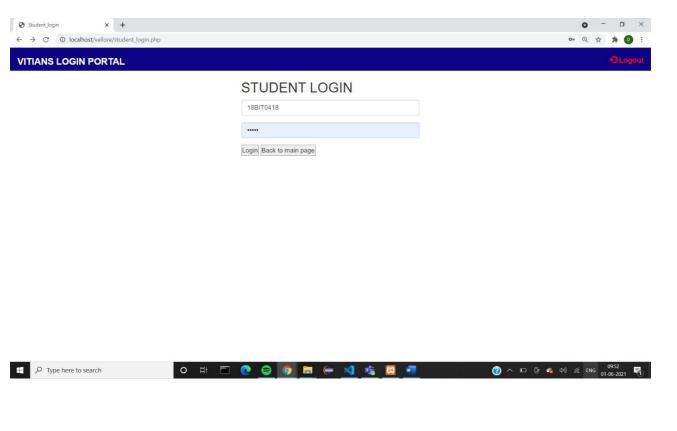
https://getcomposer.org/download/

## 10. SNAPSHOTS:

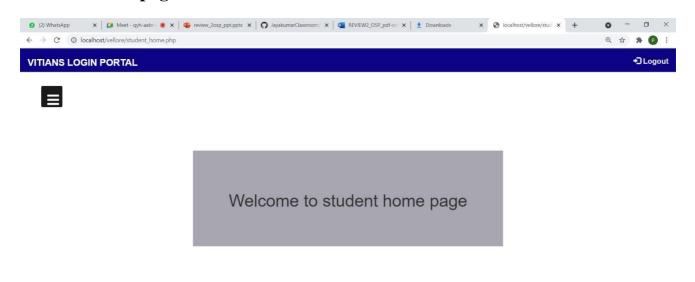
## **Index:**



# **STUDENT: Student Login:**

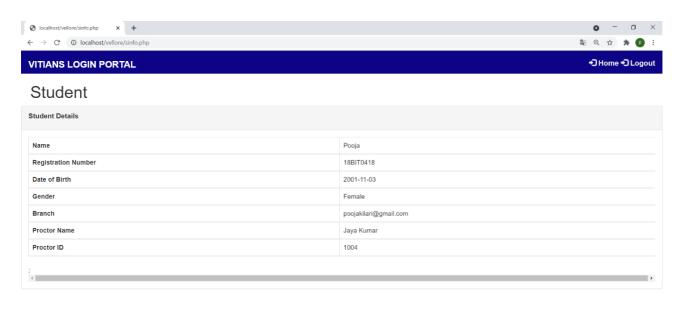


## **Student Home page:**

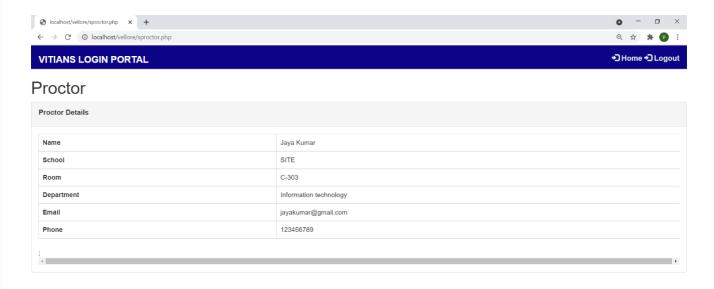




## **Student Details:**

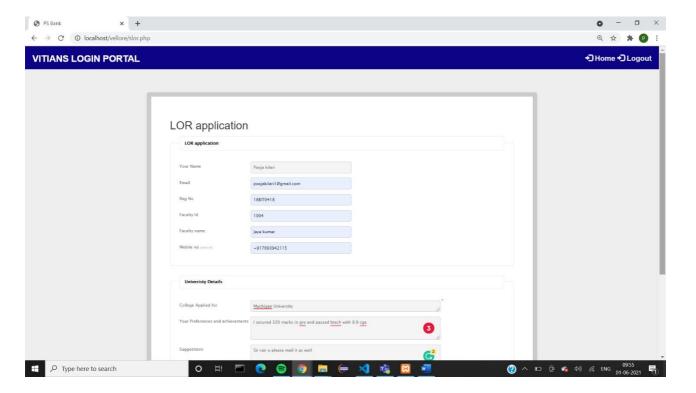


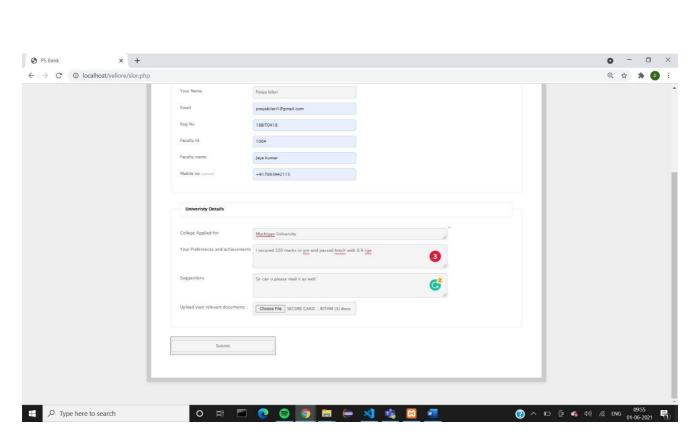
## **Student's Proctor Details:**



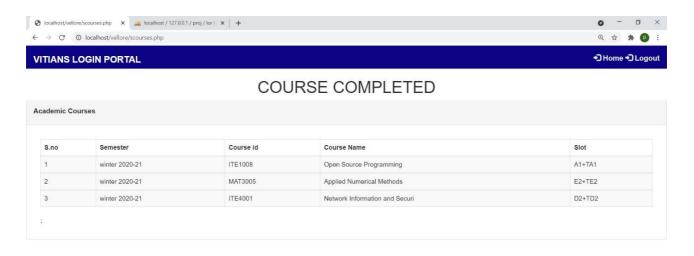


# **LOR Application:**



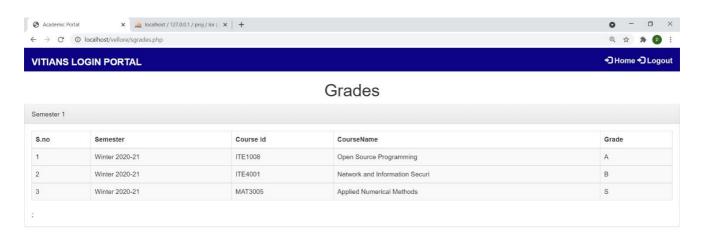


#### **Courses:**



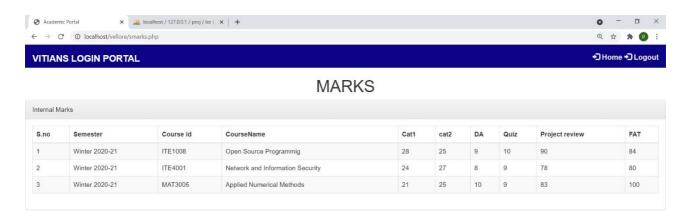


## **Grades:**



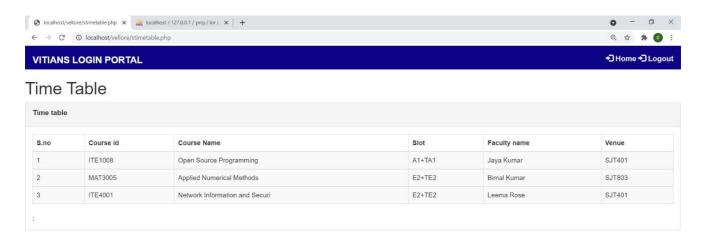


## Marks:





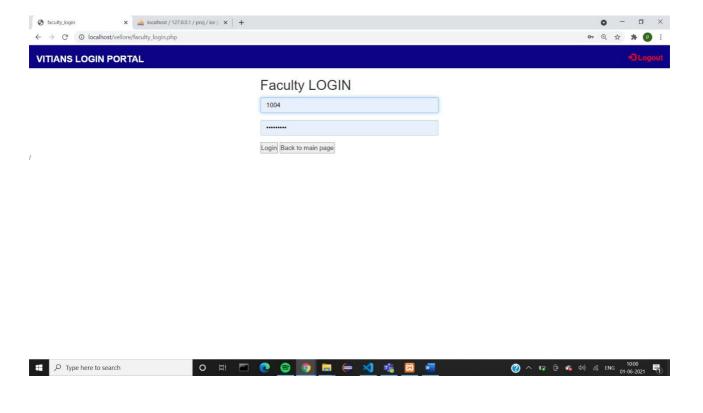
## **Student Timetable:**



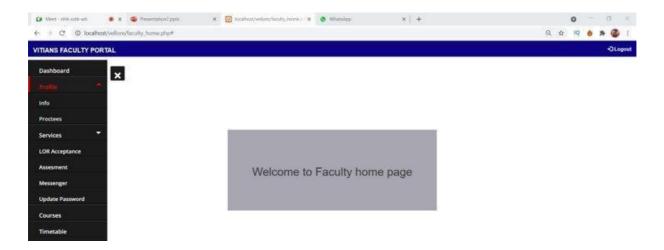


## **FACULTY:**

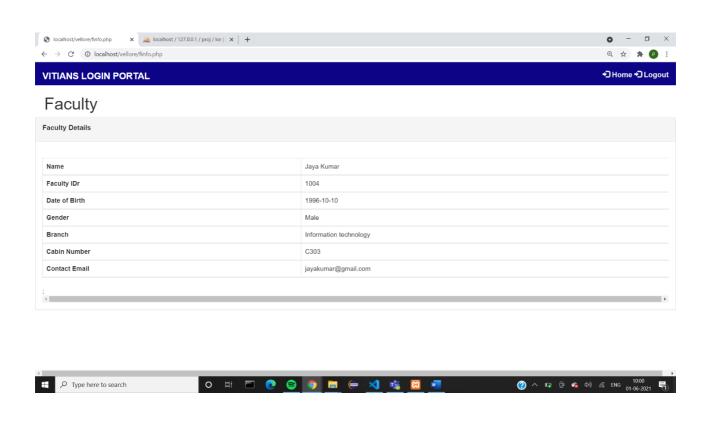
## **Faculty Login:**



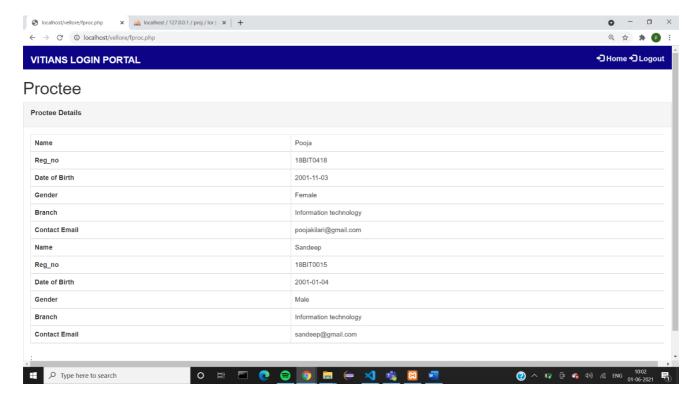
# **Faculty Homepage:**



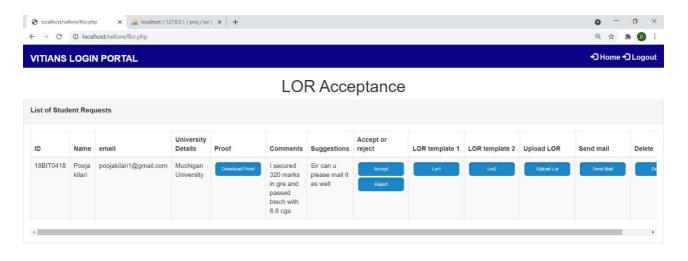
# **Faculty Details:**



## **Faculty's Proctee Details:**



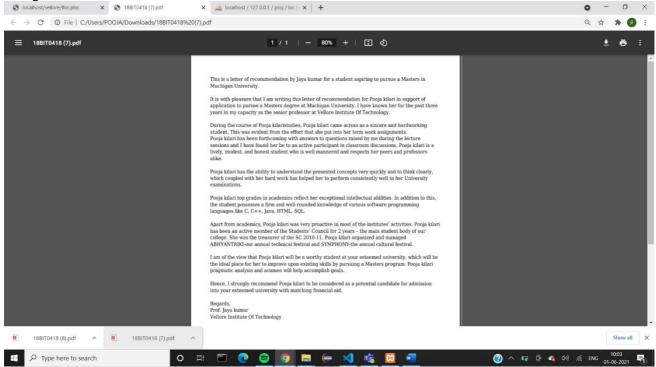
## **LOR Acceptance:**



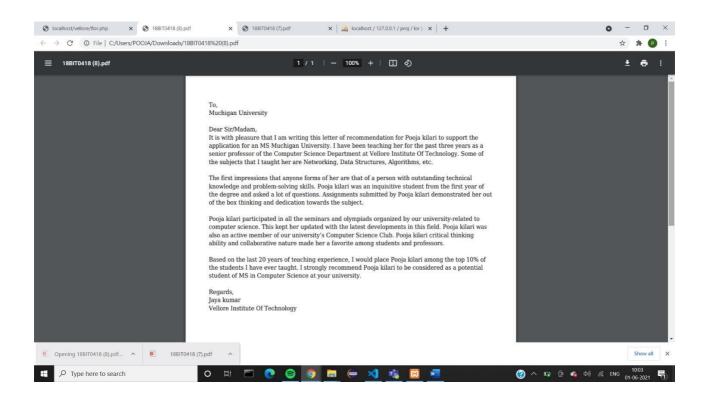


### **LOR formats:**

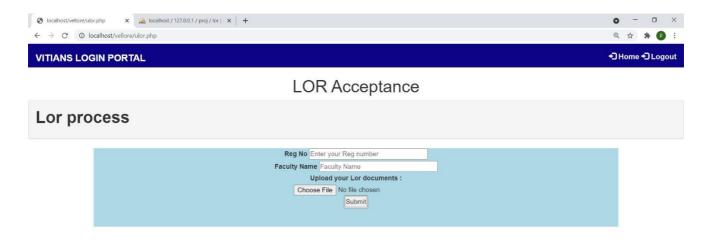
**Template 1:** 



## **Template 2:**

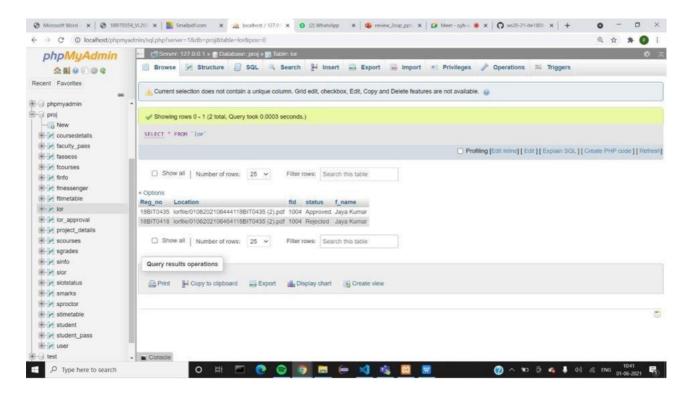


## LOR Upload:

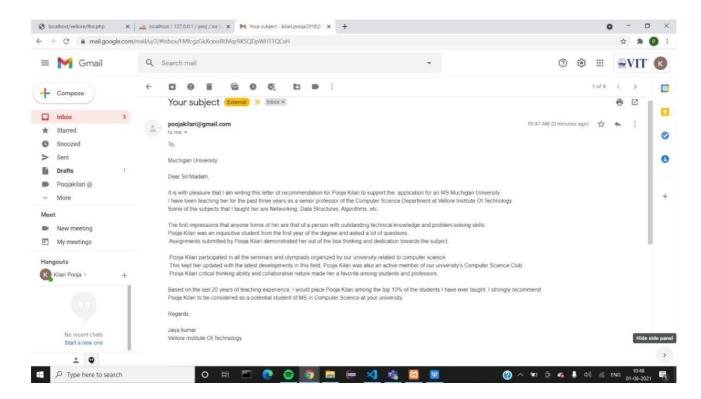




#### **Backend of LOR status:**



#### LOR sent to Student Mail:



#### 11. Source Code

```
<?php
session_start();
?><!DOCTYPE html>
<html>
<head>
<link rel="stylesheet"</pre>
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" >
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
<script src="https://kit.fontawesome.com/b99e675b6e.js"></script>
<link rel="stylesheet"</pre>
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
 <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
<link rel="stylesheet" href="style.css">
<style>
     .button {
     background-color: #1c87c9;
     border: none;
     width: 100px;
     color: white;
     padding: 8px 8px;
```

```
text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 10px;
    margin: 2px 2px;
    cursor: pointer;
   </style>
</head>
<body>
<div class="header">
<div class="logo">
VITIANS LOGIN PORTAL
</div>
<div class="sub">
<a href="faculty_home.php" style="text-decoration: none;background-color: transparent;
color:#ededed;"><span class = "glyphicon glyphicon-log-in"></span> Home</a>
<a href="index.php" style="text-decoration: none;background-color: transparent;</pre>
color:#ededed;"><span class = "glyphicon glyphicon-log-in"></span> Logout</a>
</div>
</div>
<div id="page-wrapper">
<div id="page-inner">
<div class="row">
<div class="col-md-12">
<h1 class="page-head-line">LOR Acceptance
</h1>
</div>
</div>
<div class="panel panel-default">
<div class="panel-heading">
List of Student Requests
</div>
<div class="panel-body">
<div class="table-sorting table-responsive">
<thead>
<th>ID</th>
Name
email
University Details
Proof
Comments
Suggestions
Accept or reject
LOR template 1
LOR template 2
Rejected file
```

```
Upload LOR
Send mail
Delete
</thead>
<?php
$id= $ SESSION["id"];
$db = mysqli_connect("localhost", "root", "", "proj");
if ($db->connect_error) {
die("Connection failed: " . $conn->connect error);
}
else{
$sql = "SELECT * FROM slor where Faculty like '%$id%' ";
$result = mysqli_query($db, $sql);
while($row =mysqli_fetch_assoc($result))
 echo ' ';
 echo ''.$row['Reg_no'].'';
 echo ''.$row['name'].'';
 echo ''.$row['email'].'';
 echo ''.$row['college'].'';
 echo '<a href="'.$row['Location']."' class="button">Download Proof</a>';
 echo ''.$row['comments'].'';
 echo ''.$row['suggestion'].'';
echo '
<form method="POST" action="accept.php">
<a href="accept.php?Reg_no='.$row['Reg_no'].'&name='.$row['name'].'&email='.$row['email'].
'&college='.$row['college'].'&comments='.$row['comments'].'&fname='.$row['fname'].'"
name="approved" class="button">Accept</a>
</form>
<form method="POST" action="reject.php">
<a href="reject.php?Reg_no='.$row['Reg_no'].'&name='.$row['name'].'&email='.$row['email'].
'&college='.\$row['college'].'\&comments='.\$row['comments'].'\&fname='.\$row['fname'].'"
name="rejected" class="button">Reject</a>
</form>
<form method="POST" action="Lor1.php">
<a href="Lor1.php?Reg_no='.$row['Reg_no'].'&name='.$row['name'].'&email='.$row['email'].
'&college='.$row['college'].'&comments='.$row['comments'].'&fname='.$row['fname'].'"
class="button">Lor1</a>
</form>
```

```
<form method="POST" action="Lor2.php">
<a href="Lor2.php?Reg_no='.$row['Reg_no'].'&name='.$row['name'].'&email='.$row['email'].
'&college='.$row['college'].'&comments='.$row['comments'].'&fname='.$row['fname'].'"
class="button">Lor2</a>
</form>
<form method="POST" action="rejected.php">
<a href="rejected.php?Reg_no='.$row['Reg_no'].'&name='.$row['name'].'&email='.$row['email'].
'&college='.$row['college'].'&comments='.$row['comments'].'&fname='.$row['fname'].'"
class="button">Rejection_file</a>
</form>
<form method="POST" action="uploadlor.php">
<a href="ulor.php"> <input name="submit" class="button" type="submit2" value="Upload Lor">
</form>
<form method="POST" action="mailfun.php">
<a href="mailfun.php?Reg_no='.$row['Reg_no'].'&name='.$row['name'].'&email='.$row['email'].
'&college='.\$row['college'].'\&comments='.\$row['comments'].'\&fname='.\$row['fname'].'"
class="button">Send Mail</a>
</form>
<form method="POST" action="delete.php">
<a href="delete.php?Reg_no='.$row['Reg_no'].'&name='.$row['name'].'&email='.$row['email'].
'&college='.$row['college'].'&comments='.$row['comments'].'&fname='.$row['fname'].'"
class="button">Delete</a>
</form>
';
echo "";
$db->close();
?>
</div>
</div>
</div>
</div>
</div>
</body>
</html>
```